

**2013 Junior Dairy Quiz Bowl Questions**

**Round 01**

**Phase B      5 Questions      Correct answers are worth 10 points each.**

**Only the team being asked the questions is to be in the room. Each team will be asked these 5 questions. Answers are to be given by a team captain, but assistance may come from any team member. A question may be repeated only once. Answers must be started within 20 seconds. Partial credit may be given at the discretion of the judges. After one team has been questioned, the other team will enter the contest room and be asked the same 5 questions.**

- 1. What do nutritionists term the amount of feed left over after the water is removed from a feed sample?**

ANS: Dry Matter

- 2. Good dairy managers calculate IOFC to help evaluate their profitability, what does the abbreviation IOFC stand for?**

ANS: Income Over Feed Cost(s)

- 3. Write this down: A cow is consuming 100 pounds of actual (as-fed) pounds of a total mixed ration (TMR) each day. This TMR contains 45% dry matter. How many pounds of dry matter is the cow consuming per day?**

ANS: 45 pounds of dry matter

Calculation: 100 pounds of actual (as-fed) TMR X 45% dry matter = 45 pounds of dry matter

- 4. What do we call a calf whose sire and dam are of two different breeds?**

ANS: a crossbreed (or crossbred)

- 5. What is the term for the “release of an egg from a follicle”?**

ANS: Ovulation

Phase C      20 Questions      Correct answers are worth 15 points each.

Both teams are in the room for Phase C. The first contestant to signal will answer the question within 5 seconds after being acknowledged by the moderator. Failure to do so will cost that team 10 points. Any contestant answering a question without being acknowledged by the moderator will lose 10 points. If an answer is incorrect, members of the other team will have the opportunity to answer the question without having it reread except for true/false, either or and yes or no type questions. If an answer is given in these types of questions, the question will be replaced with a tie breaker question, and given to the other team. No points are deducted for giving an incorrect answer. Team members are not allowed to discuss the answers in this phase. No partial credit is available in Phase C, except for bonus questions. If neither team can offer an answer to the question within 10 seconds, the moderator will give the answer and the question will be dropped but neither team will forfeit points.

1. Which dairy breed generally has the highest level of milk production?

ANS: Holstein

2. How many uterine horns are there in the reproductive tract of a dairy cow?

ANS: Two

3. What is the most common disease caused by *Staph. aureus*, *Strep. uberis*, and *Klebsiella*?

ANS: mastitis

4. How many upper incisors does a dairy cow have?

ANS: None

5. From which side of the animal should you lead an animal when showing?

ANS: left side

6. What should the temperature of the milk in the bulk tank be 30 minutes after milking?

ANS: 38 degrees F

7. What is the name of the foundation that provides the majority of the funding support for the North Carolina Dairy Youth Program?

ANS: North Carolina Dairy Youth Foundation



**17. What is the process of heating milk to destroy pathogenic bacteria called?**

ANS: pasteurization

**18. What is the primary sugar found in milk?**

ANS: lactose

**19. The normal water content of milk is approximately:**

a) 97.5%                      b) 87.5%                      c) 79.5%

ANS: b) 87.5%

**20. In reference to forage analysis, what does “ADF” stand for?**

ANS: acid detergent fiber

**Bonus Questions      Each bonus question is worth 20 points.**

**Bonus questions may be earned in the toss-up round. To receive a bonus question, 3 different team members must correctly answer the toss-up questions. Bonus questions are not passed to the other team, nor are points deducted for an incomplete or incorrect answer to the question. Bonus question will be asked whenever 3 team members have answered toss-up questions correctly with the count kept individually for both teams within a match. Eligibility for bonus questions does not carry over to another match. The answers must come from the team captain but assistance can come from the other team members. Only the number or answers required by the bonus question will be accepted. Example: If the bonus has a four-part answer - the first four answers given by the team will be accepted. Answers to a bonus question must start within 20 seconds and be completed within 60 seconds.**

**1. What organization developed the Dairy Cow Unified Score Card for judging?**

ANS: Purebred Dairy Cattle Association (also accept PDCA)

**2. What disease is caused by *Mycobacterium paratuberculosis*?**

ANS: Johne's Disease

**3. Why should a teat dip be used after milking?**

ANS: To reduce or prevent udder infections (mastitis)